

STATE OF WASHINGTON  
**DEPARTMENT OF FISH & WILDLIFE**  
**LANDS AND RESTORATION SERVICES PROGRAM**  
Salmonid Screening, Habitat Enhancement &  
Restoration Division (SSHEAR)

**OFF-CHANNEL SITE INVENTORY DATA**

**General Information:**

<b>Region:</b> North Coast	<b>Observer(s):</b> Nettnin
<b>River System:</b> Sol Duc	<b>Date:</b> 4/22/98
<b>Site Identifier:</b> S-0319	<b>WRIA:</b> 20.0319
<b>River Mile Location:</b> 6.9 mi.	<b>RB/LB:</b> RB
<b>Local Name:</b> Unnamed	<b>Trib. to:</b> 20.0313
<b>Legal Description:</b> NW¼ Sec 18 T30N R12W	<b>County:</b> Clallam
<b>Habitat Type:</b> Upper Valley Wall Trib	

**Landowner:** ☐ Federal ☒ State ☐ County ☐ Other Government ☒ Private  
- Rayonier Timber Operations Company  
- Department of Natural Resources

**Directions to site:**

North from Forks on highway 101 to MP 200.5. Turn left onto West Lake Pleasant Road, then bear to the right just past the bridge over Lake Creek. Continue for about 3.0 miles (the county road ends at 1.0 mile and the 9000 Line begins) to the 9200/E-2000, the road to the right at the hard left corner. A key can be obtained at the Rayonier Timber Operations Company Office in Forks. Follow the road for about 0.6 mi. and bear right on the 9203. Continue for about 0.2 mi. and bear right at the next junction going past the 9203.1. Continue another 0.2 mi and bear left on the 9203.2. Follow another 0.1 mi. to a culvert crossing. This is 20.0319.

It may also be accessed from the Burnt Mountain Road. North from Forks to Sappho (MP 203.9), turn left onto the Burnt Mountain Road for two miles. Just past the bridge over Beaver Creek, turn left and drive through the rock pit. **WATCH FOR EQUIPMENT CROSSING THE ROAD!!** Continue for about 4.2 miles to a junction. The road straight ahead is blocked the one to the left has a gate. The key can be obtained from Department of Natural Resources in Forks. Continue for about 2.0 miles to the 9203 and follow the above directions.

**Site Overview:**

This upper valley wall tributary sources on the northerly end of Tyee Hill. It flows through a V-notch valley, at a gradient of 12 - 25%, before it flows into 20.0319. This channel produces gravel, supports trout spawning and rearing, and produces high quality water. The riparian area is mainly 40 - 60 year old conifer.

**Habitat Information:**

**Water source:** Valley wall tribs, surface runoff

**Intermittent/year-around:** Unknown, probably lower reach year-around

**Estimated flows (cfs):** Lower end: 0.5 - 1.0 Upper end: 0.5 - 1.0

**Water temperatures:** Lower end: 8.0°C Upper end: 8.0°C  
- On 3/16/99 the temp was 4.0°C  
- On 3/17/99 the temp was 4.5°C

**Adjacent stream temperature Lake Creek (20.0313):** 7.0°C

**Other water observations:** Clearwater

**Site area measurements:** ☐ Indirect ☒ Direct ☐ Combination  
Widths: Channel- 1.1 - 2.7 m Pond- NA Wetlands- NA  
Depths: Channel- 10 - 60 cm Pond- NA Wetlands- NA  
Total length estimated (includes ponds and wetlands): 940 m

**Total existing habitat area (est.):** 1,800 m<sup>2</sup>

Spawning area:	50 m <sup>2</sup>	Tributaries: 5 m <sup>2</sup>	Total: 55 m <sup>2</sup>
Impounded area:	0 m <sup>2</sup>	Tributaries: 0 m <sup>2</sup>	Total: 0 m <sup>2</sup>
Other rearing area:	1,750 m <sup>2</sup>	Tributaries: 145 m <sup>2</sup>	Total: 1895 m <sup>2</sup>

**Spawning Habitat conditions:** ☐ None ☐ Poor ☐ Fair ☒ Good ☐ Excellent

**Describe spawning habitat:**

- Coho spawning is limited to the lower 100 m.
- The gradient favors trout spawning in upper reaches.
- The reach between S-319L-01 and the culvert has good spawning opportunities.

**Rearing habitat conditions:** ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

**Describe pond and other rearing habitat:**

- Most of the channel is moderate/steep gradient.
- Large amount of woody debris in the lower channel. Boulders dominate the middle reach.
- Shade is provided 50 - 60 year old alder and conifer forest.

**Describe unaccessible habitat:** NA

**Describe wetland:** ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

**Flooding potential:** ☐ Low ☐ Medium ☒ High  
- This stream is susceptible to flashy flows.

**Fish Information:**

**Site entry condition to Lake Creek (20.0313):** ☐ Poor ☐ Fair ☒ Good

**Coho access and use:**

Juvenile-	<input checked="" type="checkbox"/> Unknown <input type="checkbox"/> None <input type="checkbox"/> Poor <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Good
Adult-	<input checked="" type="checkbox"/> Unknown <input type="checkbox"/> None <input type="checkbox"/> Poor <input type="checkbox"/> Fair <input type="checkbox"/> Good

**Other species access and use:** ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- On 3/16/99 three minnow traps were set. One six inch cutthroat trout was captured.
- It is assumed that the fry observed during the survey were trout.
- The channel is open and available to all species.

**Habitat Improvements:**

**Enhancement opportunities:**

Possible project type:

- Maintain the integrity of the stream.

Equipment access: No access

**Additional Comments:**

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

☐ Aerials

☒ Sketch

☒ Maps

☐ Culvert Report

☐ Other references

☐ Spawning surveys

☒ Juvenile trapping

☐ Fishway Report

**NORTH COAST OFF CHANNEL SURVEY**  
**SUBSEQUENT SITE EVALUATION FORM**

River System: Sol Duc

Site No.: S-0319  
Site Name: Unnamed  
WRIA: 20.0319

DATE: 3/16 - 3/17/99

OBSERVER: Darrow, Nettnin

**MINNOW TRAPPING REPORT**

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	3/16	4.0°C	3/17	4.5°C	0	0	1	0	0
2	3/16	4.0°C	3/17	4.5°C	0	0	0	0	0
3	3/16	4.0°C	3/17	4.5°C	0	0	0	0	0
TOTALS:					0	0	1	0	0

**COMMENTS:**

- Trap 1 was placed about 50 m below the culvert.
- Trap 2 was placed about 10 m upstream of the culvert.
- Trap 3 was placed about 20 m upstream of the culvert.
- All traps were baited with salmon roe.



